ABSTRACT OF THE DISCLOSURE

Methods of providing for refueling of direct oxidation fuel cells. An electrical appliance which is powered by a fuel cell includes a fitting which provides sealed access to a fuel reservoir. A canister which contains fuel is engaged with the fitting in order to transfer fuel to the reservoir. The canisters are preferably distributed to users through conventional retail and/or on-line distribution channels. Alternatively, the fuel reservoir within the appliance is made in the form of a removable cartridge. When the cartridge is spent, a user may remove it and replace it with a new one. The fitting, canister and cartridge are preferably based on a standardized specification which enhances market adoption, user convenience and ease of use.